

PATENT

Docket No.: D414

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Takeshi Nogami
 Serial No.: 09/579,340
 Filed: May 25, 2000
 For: INTEGRATED CIRCUIT CHIP WITH
 HIGH-ASPECT RATIO VIAS

: Confirmation No.: 7243
 : Examiner: Vikki H. Trinh
 : Group Art Unit: 2814

TRANSMITTAL FOR ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Response / Amendment	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> After Final	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Affidavits/Declaration(s)	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Information Disclosure Statement, PTO Form-1449, & cited Reference(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	Fax Cover Sheet
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	

The fee, if required, has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	20	20	0	x \$18 =	\$ 0.00
Independent Claims	2	3	0	x \$84 =	\$ 0.00
If multiple claims newly presented, add \$280					
Fee for extension of time					
Other:					
TOTAL FEE					\$0.00

- ☐ Please charge Deposit Account No. 01-0365 in the amount of \$ 0.00. An additional copy of this transmittal sheet is submitted herewith.
- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 01-0365, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

Mikio Ishimaru

Mikio Ishimaru
 Registration No. 27,449
 Date: December 12, 2001

FAX COPY RECEIVED

DEC 12 2001

TECHNOLOGY CENTER 2800

CERTIFICATE OF TRANSMISSION			
I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office on the date below:			
Type or printed name	Vickie Ishimaru	Date	December 12, 2001
Signature	<i>Vickie Ishimaru</i>		

The Law Offices of Mikio Ishimaru

1110 Sunnyvale-Saratoga Road, Suite A1
Sunnyvale, CA 94087
Telephone: (408) 738-0592
Fax: (408) 738-0881

Fax

2814

To: Box Non-Fee Amendment **From:** Mikio Ishimaru
Examiner Vikki H. Trinh

Fax: (703) 872-9318 **Pages:** 7
Technology Center 2800

Phone: (703) 308-8238 **Date:** 12/12/01

Re: U.S. Patent Application Serial **CC:**
No. 09/579,340

☐ Urgent ☒ Response to Office Action ☐ Information

IMPORTANT

The information contained in this facsimile is intended only for the use of the individual or entity to whom it is addressed. If you are not the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you have received this facsimile in error, please immediately notify us by telephone, and return the original message to us at the address above via the U.S. Postal Service. Thank you.

For confirmation or assistance, call (408) 738-0881

Dear Examiner Trinh:

Attached are a Transmittal and Response in response to the Office Action dated September 12, 2001, for U.S. Patent Application Serial No. 09/579,340 (attorney docket no. D414).

Respectfully submitted,

Mikio Ishimaru

Mikio Ishimaru
Reg. No. 27,449

FAX COPY RECEIVED

DEC 12 2001

TECHNOLOGY CENTER 2800

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office on December 12, 2001.

Signed: Vickie Ishimaru
Vickie Ishimaru

PATENT

Docket No.: D414

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Takeshi Nogami	:	Confirmation No.:	7243
Serial No.:	09/579,340	:	Art Unit:	2814
Filed:	5/25/2000	:	Examiner:	Vikki H. Trinh
For:	INTEGRATED CIRCUIT CHIP WITH HIGH- ASPECT RATIO VIAS	:		

Box Non-Fee Amendment
Commissioner for Patents
Washington, D. C. 20231

RESPONSE

Sir:

The following Remarks are submitted in response to the Office Action dated 9/12/2001.

FAX COPY RECEIVED

DEC 12 2001

TECHNOLOGY CENTER 2800

REMARKS

Rejections under 35 USC §103

Claims 1-20 are rejected under 35 USC §103(a) as being obvious over admitted prior art (FIGs. 1A-1C and Specification pages 1-7, hereinafter "APA") in view of Wang et al. (USPN 5, 629, 237, hereinafter "Wang").

Applicant respectfully traverses the rejections since the Applicant's claimed combination, as exemplified in claim 1, includes the limitation not disclosed in APA or Wang of:

"...a dielectric layer formed over said semiconductor substrate and said semiconductor device, said dielectric layer having a channel opening